

From: [Jump, Christine](#)
To: [SMITH, MARTIN L](#); [Michael Stephenson](#)
Cc: [Jacobs, Ann](#)
Subject: FW: 1,4-Dioxane
Date: Thursday, February 13, 2014 8:59:00 AM

Marty and Mike-

See the email chain below regarding KDHE Tier-2 RSK values for 1,4-Dioxane.

Chris Jump, L.G.
Waste Remediation and Permitting Branch
US EPA, Region 7
jump.chris@epa.gov
(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219

From: Chris Carey [<mailto:CCarey@kdheks.gov>]
Sent: Thursday, February 13, 2014 8:42 AM
To: Jump, Christine
Cc: snightin@kdheks.gov; John Cook
Subject: RE: 1,4-Dioxane

Chris,

KDHE anticipates that the next revision of the RSK Manual will include the following Tier 2 Levels for 1,4-Dioxane:

Pathway	Residential Scenario	Non-Residential Scenario
Soil Pathway (mg/kg)	79.6	247
Soil to Groundwater Pathway (mg/kg)	0.0384	0.129
Groundwater Pathway (mg/L)	0.00849	0.0285

The soil saturation concentration for 1,4-Dioxane is 126,000 mg/kg.

Please let us know if you have any questions.

Chris Carey, P.G.
Site Restoration Unit Chief
Remedial Section
KDHE Bureau of Environmental Remediation

Work: 785-296-0225
Cell: 785-250-4750



From: Jump, Christine [<mailto:Jump.Chris@epa.gov>]
Sent: Thursday, February 13, 2014 8:27 AM
To: Chris Carey; John Cook
Cc: Scott Nightingale
Subject: RE: 1,4-Dioxane

Since the new value is not listed on KDHE's website, can one of you send me an email with the official values so I can provide them to Clean Harbors?

Thanks.

Chris Jump, L.G.
Waste Remediation and Permitting Branch
US EPA, Region 7
jump.chris@epa.gov
(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219

From: Chris Carey [<mailto:CCarey@kdheks.gov>]
Sent: Wednesday, February 12, 2014 3:04 PM
To: Jump, Christine; John Cook
Subject: RE: 1,4-Dioxane

We will use these criteria moving forward; however, we have not identified significant 1,4-dioxane impacts within NIC.

Chris Carey, P.G.
Site Restoration Unit Chief
Remedial Section
KDHE Bureau of Environmental Remediation

Work: 785-296-0225
Cell: 785-250-4750



From: Jump, Christine [<mailto:Jump.Chris@epa.gov>]

Sent: Wednesday, February 12, 2014 2:26 PM

To: John Cook; Chris Carey

Subject: 1,4-Dioxane

Is KDHE using the newly calculated residential soil to ground water criteria for 1,4-dioxane in the NIC site or for NIC PRPs?

Chris Jump, L.G.

Waste Remediation and Permitting Branch

US EPA, Region 7

jump.chris@epa.gov

(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219